

REMARKS

The Applicants have carefully reviewed and considered the Office Action mailed on May 4, 2006, and the references cited therewith. Claims 1-3, 7, 23, 37 and 39-45 were rejected under 35 USC § 102(e) as being anticipated by Stelman (US Patent 5,892,823). Claims 4-6 and 8-13 were objected to as being dependent upon a rejected base claim, but were indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 1, 4-7, 37 and 44-45 have been amended to overcome the Examiner's formal rejections thereto, and to further define the invention over the art. No new matter has been entered as a result of the changes made thereto. Reconsideration and allowance of the subject application, as amended, are respectfully requested.

In the Official Action of 9/15/2005 the Examiner states with regard to claim 4, "Stelman anticipates all limitations of the claim with the exception of determining an average amplitude voltage value for each of the conductors carrying a signal having an alternating voltage." This limitation has been included in newly amended claim 1.

Similarly, independent claims 37 and 44-45 have added the same limitation and are now in condition for allowance. Since dependent claims 2-13, 23, and 39-43 depend, either directly or indirectly, upon newly amended claims 1 and 37 allowance of these claims is earnestly solicited.